NEVADA DIVISION OF WATER RESOURCES ENGINEERING REVIEW OF DAMS: DESIGN, PLANS, AND SPECIFICATIONS

I. GENERAL PLAN

	VICINITY/LOCATION MAP PLAN VIEW OF WATERSHED BOUNDARY AND DOWNSTREAM HAZARD DRAINAGE BASIN AREA TOPOGRAPHY MAP PLAN VIEW OF DAM AND RESERVOIR AREA RESERVOIR STORAGE CAPACITY SURVEY TIE TO AND FROM SECTION CORNER	
	CROSS SECTION OF EMBANKMENT, AXIS AND MAXIMUM SECTION	
	 ELEVATIONS OF DAM CREST AND EMERGENCY SPILLWAY CREST ELEVATIONS OF MAXIMUM WATER LEVEL IN RESERVOIR ELEVATION OF MAXIMUM FLOW LINE IN CHANNEL LOCATION AND DIMENSIONS OF CORE SLOPES OF UPSTREAM AND DOWNSTREAM FACES DETAILS OF EROSION PROTECTION DIMENSIONS AND LOCATIONS OF PERVIOUS, SEMI-PERVIOUS, AND IMPERVIOUS MATERIALS DIMENSIONS AND LOCATIONS OF DRAINAGE FACILITIES, INCLUDING FILTERS 	
	RESERVOIR AREA/CAPACITY CURVE	
	DISCHARGE CURVE FOR OUTLET/SPILLWAY	
II. DETAILS AND SECTIONS		
	SPILLWAY PLAN VIEW AND CROSS SECTION OUTLET PIPE PLAN VIEW AND CROSS SECTION INLET	
	STRUCTURAL TRASH RACK GATE STEM VENT PIPE EROSION PROTECTION	

 OUTLET ELEVATIONS AND GRADES IMPACT BASIN POSITIONS AND CONSTRUCTION DETAILS VALVE/GATE TOE DRAIN PIEZOMETERS CUT OFF COLLARS, SPACING DIMENSIONS, CONSTRUCTION DETAILS 		
III. BASIS OF DESIGN		
A. HYDROLOGY		
DRAINAGE AREA DESCRIBED STORM RECURRENCE INTERVAL USED FOR DESIGN RUNOFF CALCULATION METHOD USED FLOOD ROUTING METHOD USED FREEBOARD FT.		
B. FOUNDATION		
GEOTECHNICAL REPORT		
 SURFACE CONDITIONS SHEAR STRENGTH PERMEABILITY GRAIN SIZE DISTRIBUTION AND CLASSIFICATION POSSIBLE GEOLOGICAL HAZARDS 		
BORINGS/TEST PIT LOGS		
LOCATIONS ON PLANS TOTAL DEPTH STRATIGRAPHY WITH ELEVATIONS OF DIFFERENT FORMATIONS		
SEEPAGE ANALYSIS STRENGTH OF MATERIALS PROPOSED FOR USE AS FOUNDATION DEPTH TO GROUNDWATER		

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	AVAILABILITY OF MATERIALS
	SOIL PROPERTIES
	SHEAR STRENGTH TESTS, MAX. ALLOWABLE SHEAR STRESS PSI
	PARTICLE SIZE DISTRIBUTION AND CLASSIFICATION CORE
	DRAINS
	FILTERS SHELL
	SLOPE STABILITY/EROSION PROTECTION DENSITY CURVE METHOD
	SLOPES AND/OR SLOPE STABILITY (STATIC, PSEUDO-STATIC)
	FACTORS OF SAFETY
IV. SPECIFI	CATIONS
	CLEARING AND GRUBBING CONSTRUCTION AREA
	STRIPPING UNSUITABLE MATERIAL
	FOUNDATION PREPARATION/COMPACTION REQUIREMENTS EMBANKMENT MATERIALS
	PLACEMENT OF EMBANKMENT MATERIALS
	COMPACTION OF EMBANKMENT MATERIALS
	FILTER AND DRAINAGE MATERIALS
	CONCRETE MATERIALS TESTING REQUIREMENTS
	EROSION PROTECTION
	SOIL CEMENT
	RIP RAP OTHER
	OTHER

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